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# FEDERATED MULTIPROTOCOL COMMUNICATION


Abstract of the Disclosure

Methods, apparatus, and business techniques are disclosed for use in distributed communication systems comprising a plurality of communication protocols. In one embodiment a first air interface is used to initiate communication between a wireless client and a remote server at least partially using a first wireless access point. The server sends the wireless client a stub of a distributed object. The stub is used to instantiate an object class. The object class defines an interface that the remote client can use to communicate with the remote server using an upper layer interface. The distributed object stub also provides an implementation of a software radio configuration for a set of lower protocol layers in a second air interface. The wireless client can thereby communicate with a second wireless access point using said second air interface protocol. Exemplary embodiments of the present invention are disclosed that focus on toll-tag and electronic-commerce related highway systems, distributed federated wireless access systems, and wide area wireless system capacity augmentation.


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